Bit / Byte	7	6	5	4	3	2	1	0
0	TYPE							
1	RESERVED							
2	MSB	TAG						
3								LSB
4	MSB	LOGICAL UNIT NUMBER						
5								
6								
7								
8								
9								
10								
11								LSB
12	RESERVED							
13	MSB	DATA LENGTH						
14								
15								LSB
16	RESERVED							
17	RESERVED							
18	MSB	IUCRC INTERVAL						
19								LSB
20	MSB	IUCRC						
21								
22								
23								LSB

Fig. 1A
(Prior Art)

Seagate - Exhibit

Bit Byte	7	6	5	4	3	2	1	0
0	RESERVED							
1	RESERVED					TASK ATTRIBUTE		
2	TASK MANAGEMENT FLAGS							
3	RESERVED	ADDITIONAL CDB LENGTH = (n-19)/4					RDDATA	WRDATA
4	MSB	CDB						
.	.							.
.	.							.
.	.							.
19								LSB
20	MSB	ADDITIONAL CDB						
.	.							.
.	.							.
.	.							.
n								LSB
n+1	MSB	IUCRC						
n+2								
n+3								
n+4								LSB

Fig. 1B
(Prior Art)

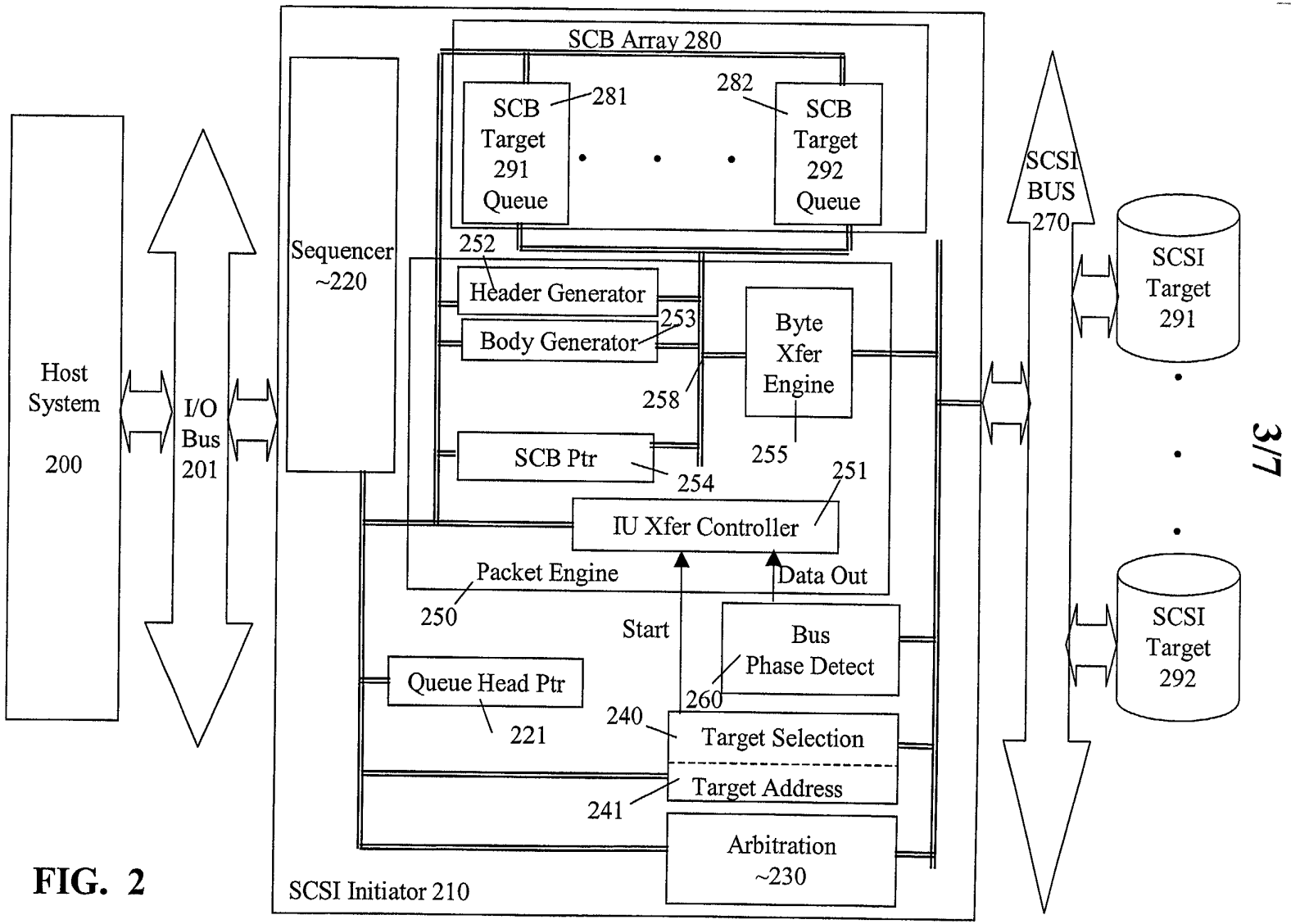
SCB Array 280
SCB Target 291 Queue
281
282
SCB Target 292 Queue
Sequencer ~220
252
Header Generator
253
Body Generator
Byte Xfer Engine
258
255
SCB Ptr
254
251
IU Xfer Controller
Packet Engine
Data Out
250
Start
Bus Phase Detect
260
Queue Head Ptr
221
240
Target Selection
Target Address
241
Arbitration ~230
SCSI Initiator 210
Host System 200
I/O Bus 201
SCSI BUS 270
SCSI Target 291
SCSI Target 292

FIG. 2

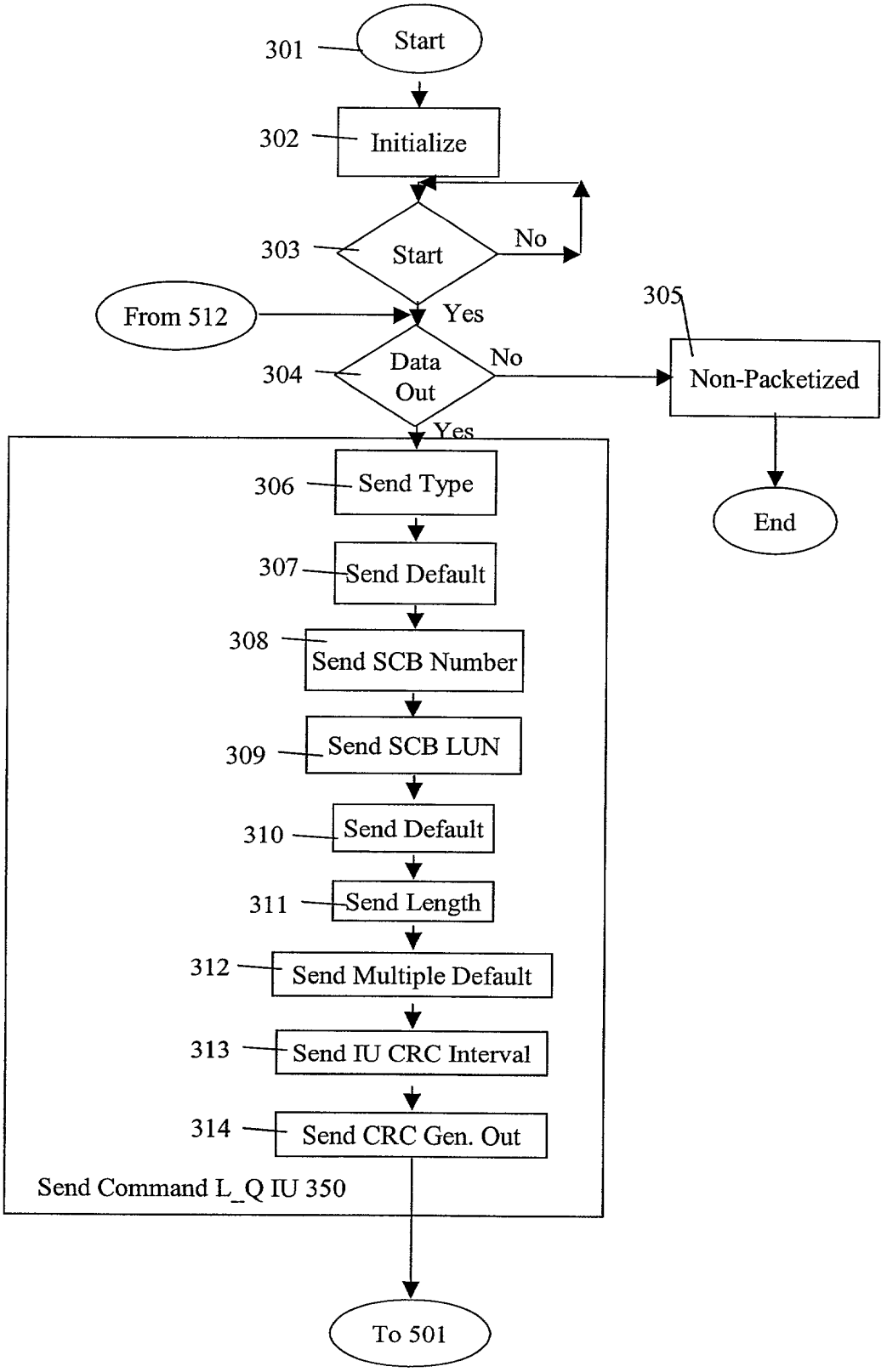
301
Start
302
Initialize
303
Start
No
From 512
Yes
305
304
Data Out
No
Non-Packetized
Yes
End
306
Send Type
307
Send Default
308
Send SCB Number
309
Send SCB LUN
310
Send Default
311
Send Length
312
Send Multiple Default
313
Send IU CRC Interval
314
Send CRC Gen. Out
Send Command L_Q IU 350
To 501

Fig. 3

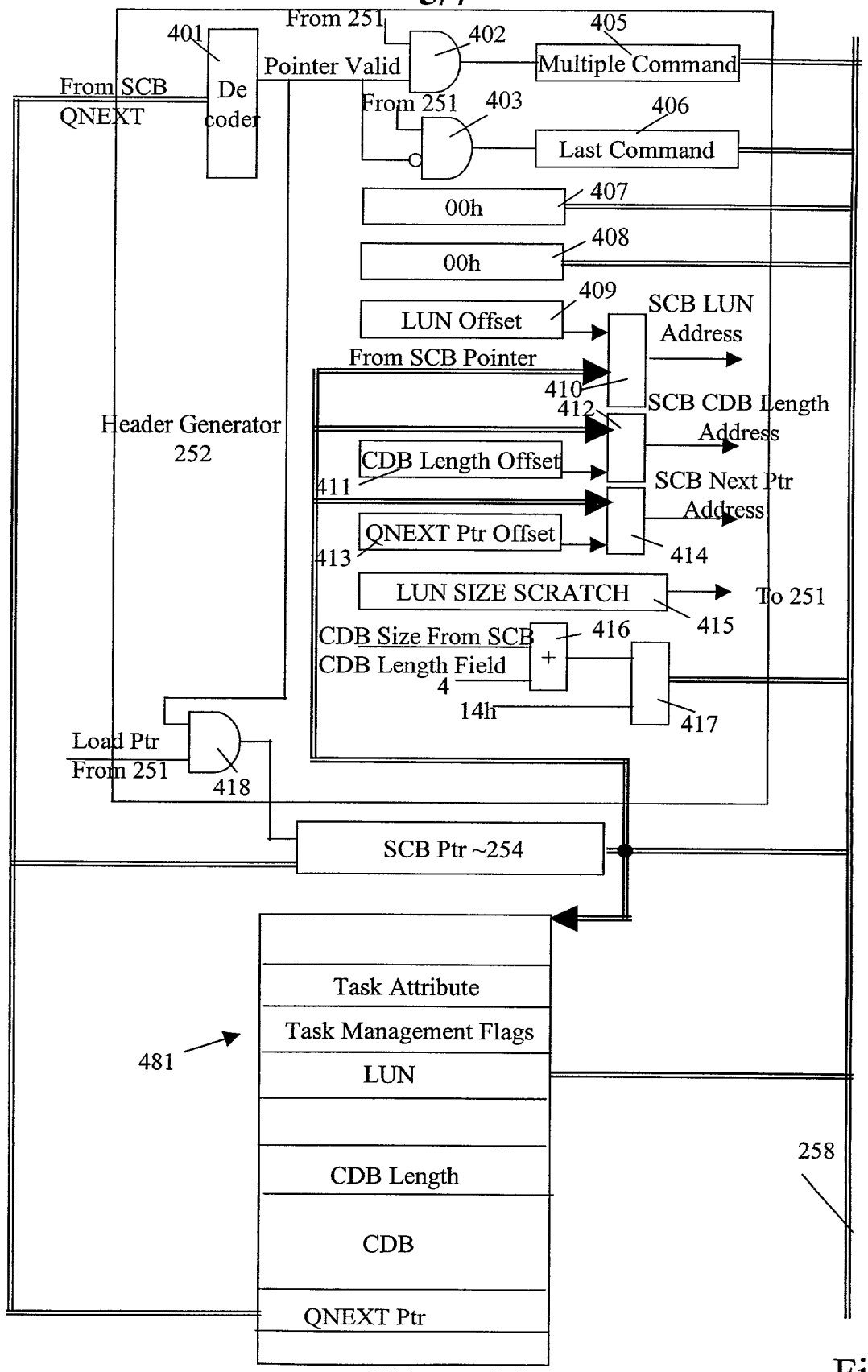
401
De coder
From SCB QNEXT
From 251
Pointer Valid
402
405
Multiple Command
From 251
403
406
Last Command
00h
407
00h
408
LUN Offset
409
SCB LUN Address
From SCB Pointer
410
412
SCB CDB Length Address
Header Generator 252
CDB Length Offset
411
SCB Next Ptr Address
QNEXT Ptr Offset
413
414
LUN SIZE SCRATCH
To 251
415
CDB Size From SCB
CDB Length Field
416
+
4
14h
417
Load Ptr From 251
418
SCB Ptr ~254
Task Attribute
Task Management Flags
LUN
CDB Length
CDB
QNEXT Ptr
481
258

Fig. 4

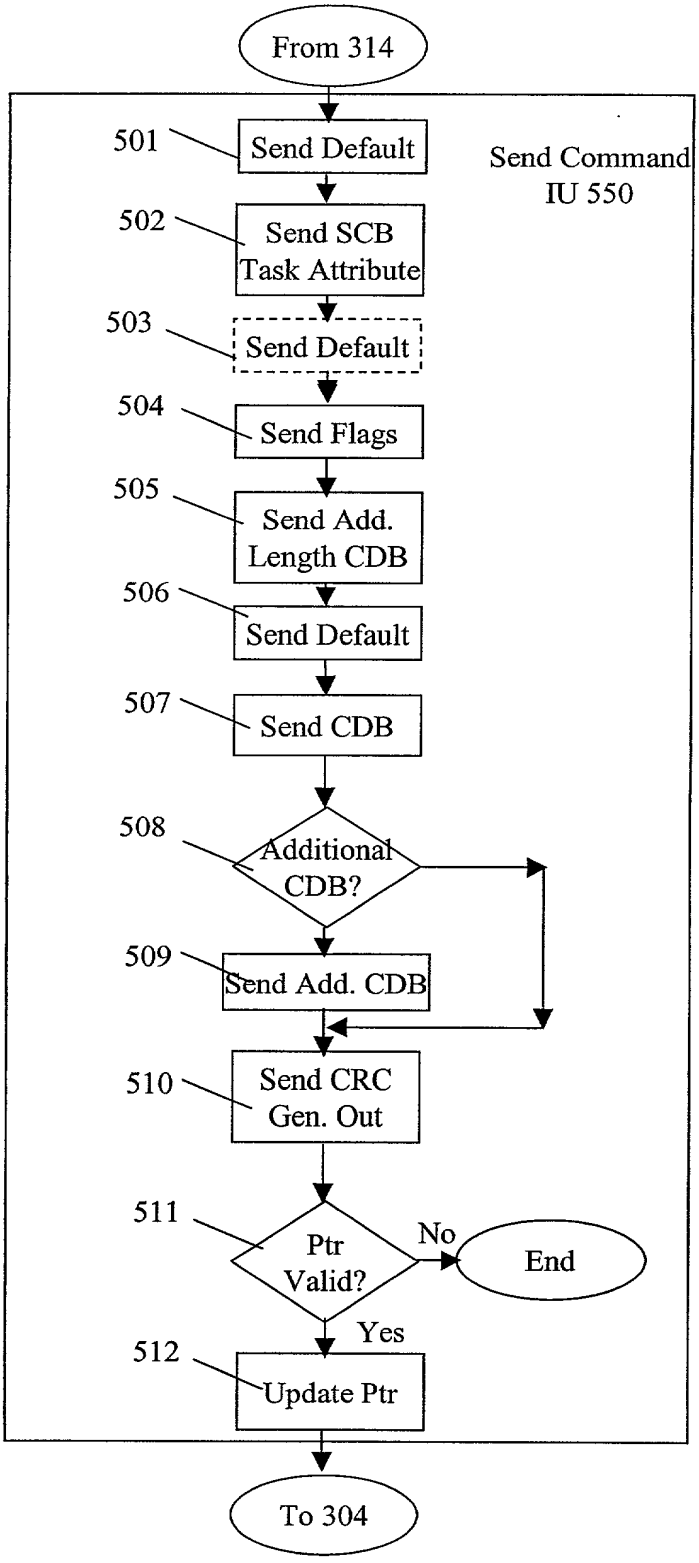

Fig. 5

09525950 - 042504

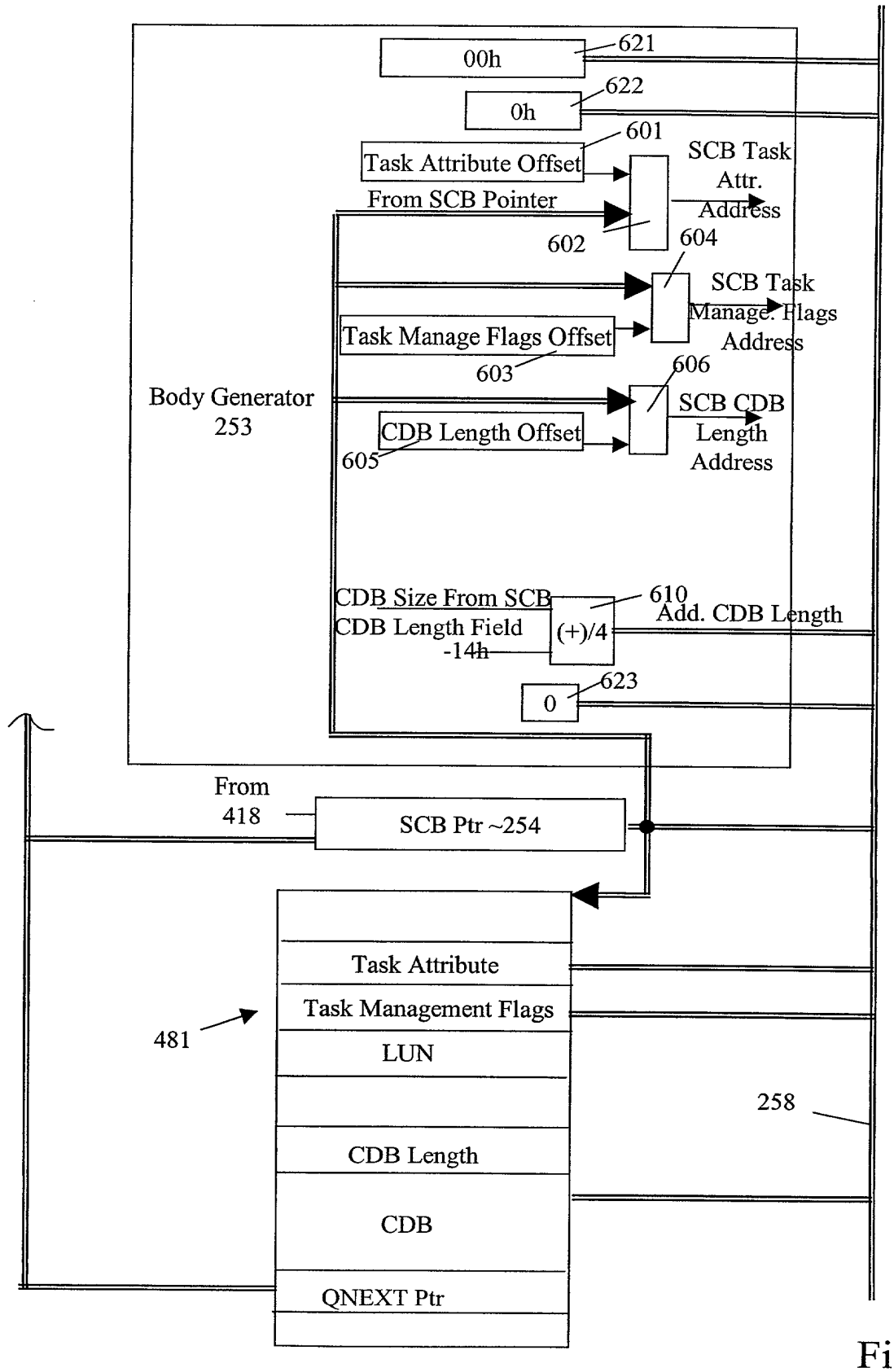
00h
621
0h
622
601
Task Attribute Offset
SCB Task Attr. Address
From SCB Pointer
602
604
SCB Task Manage. Flags Address
Task Manage Flags Offset
603
606
Body Generator 253
SCB CDB Length Address
CDB Length Offset
605
CDB Size From SCB
CDB Length Field -14h
610
(+)/4
Add. CDB Length
623
0
From 418
SCB Ptr ~254
481
Task Attribute
Task Management Flags
LUN
CDB Length
CDB
QNEXT Ptr
258

Fig. 6